

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application:

1. (Currently amended) A method for performing multiplex PCR for having at least two amplified DNA products from samples positioned within a PCR equipment, characterized in that the ~~step of changing a primer annealing temperature and an extension time per cycles of constant period~~ primer annealing temperature and extension time are changed by a constant amount per constant number of cycles.
2. (Currently amended) The method in claim 1, wherein said samples are blood, plasma, proto DNA (vector),- CDNA library, genome, or cellular tissue including genome.
3. (Currently amended) The method in claim 2, wherein said ~~blood~~ samples are ~~is~~ diluted ~~one~~.
4. (Currently amended) The method as set forth in claim 1, wherein said PCR equipment can ~~change the set temperature and time parameters per cycles of constant period~~ change the primer annealing temperature and extension time by a constant amount per constant number of cycles.
5. (Currently amended) The method as set forth in claim 1, wherein said annealing temperature and extension time increase ~~per cycles of constant period~~ by a constant amount per constant number of cycles.
6. (Currently amended) The method as set forth in claim 5, wherein said annealing temperature increase by a value of $((Tm_max - Tm_min) / \text{number of total cycles})$ for 4 per cycle, wherein said Tm_max indicates the highest melting temperature among all the primers and said TM_min indicates the lowest melting temperature among all the primers, and

said extension time increases by value $[(L_{\max} - L_{\min}) / (\text{rate of DNA synthesis of taq DNA polymerase; bp/sec})] / (\text{number of total cycles} - 7) \text{ per cycle}$, wherein said L_{\max} indicates the size of the largest PCR product, and said L_{\min} indicates the size of the shortest PCR product.

7. (Currently amended) The method as set forth in claim 2, wherein said diluted samples each ~~sample~~ has a volume of less than 1 μL .